

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



551168

(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085165 A1

(51) International Patent Classification⁷:

B41M 1/00

(21) International Application Number:

PCT/KR2004/000699

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data:

10-2003-0019724 28 March 2003 (28.03.2003) KR

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/085165 A1

(54) Title: ORGANIC SILVER COMPOUND AND IT'S PREPARATION METHOD, ORGANIC SILVER INK AND IT'S DIRECT WIRING METHOD

(57) Abstract: The present invention is to manufacture the organic silver solution by dissolving silver oxide in an organic solvent, and further provide an ink enabling a conductive circuit to be formed by applying it to an inkjet printer. Also, it is to provide a method for forming a conductive circuit on various substrates by printing it through the inkjet printer using the manufactured ink and further heat-treating it. The organic silver solution, a composition according to the present invention, can be manufactured by dissolving silver oxide in an amine-based compound and a lactone-based compound (or a lactam-based compound, a carbonate-based compound, a cyclic acid anhydride-based compound) by reacting the former an the latter, and in order to ensure the appropriate liquid fluidity for the inkjet printer, the ink was manufactured by adding an organic solvent, such as alcohol, a surfactant and the like thereto.